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here and there by the white surfaces of the geyser basins, from which at intervals clouds of steam would shoot upwards, telling us of some geyser in eruption. Over the plateau below us were several elk leisurely making their way, and on a peak near by we watched a band of Rocky Mountain sheep travelling along what seemed to us to be the face of an almost perpendicular precipice. The bleak wind which swept the summit that we occupied hardly seemed favorable to plant-life other than the hardy lichens and mosses, and yet its flora proved to be quite extensive and varied, as the following species, collected over an area of a few square rods, will show: *Douglasia montana*, Gray., *Salix reticulata*, L., *Draba crassifolia*, Graham, *D. alpina*, L., *Smelowskia calycina*, *Myosotis sylvatica*, Hoffm., var. *alpestris*, Koch., *Eritrichium nanum*, Schroder, var. *aretioides*, Herder., *Arenaria stricta*, Wats., *Silene acaulis*, L., *Saxifraga oppositifolia*, L., *Oxytropis Lamberti*, Pursh., *Astragalus tegetarius*, Wats., var. *implexus*, Canby., *Dryas octopetala*, L., *Sibbaldia procumbens*, L., *Antennaria alpina*, Gaertn., *Artemisia scopulorum*, Gray., *Erigeron uniflorus*, L., *E. radicans*, Hook.

In the treacherous hot spring bogs throughout the Park one will meet with a peculiar flora containing many species which are more or less familiar sea-coast plants, such as *Ranunculus Cymbalaria*, Pursh., *Potentilla Anserina*, L., *Rumex maritimus*, L., *Potamogeton pectinatus* (L.?) *Ruppia maritima*, L., and *Triglochin maritimum*, L.

There is a characteristic plant of the region, *Cnicus Drummondii*, Gray, which has a little romance connected with it in spite of its unprepossessing appearance. In 1870 one of a band of explorers in the then unknown region which is now the Yellowstone Park became separated from his companions and wandered alone for thirty-seven days through the dense forests and over the mountains, and was only saved from starvation by the nourishment derived from the roots of this thistle.

Contributions toward a List of the State and Local Floras of the United States.

THE INDIAN TERRITORY.

Catalogue of Plants collected in the Exploration, by Capt. R. B. Marcy, of the Red River. By John Torrey. (C.)

Washington, 1853. Appendix G.

List of some of the most interesting Plants collected in the Indian Territory. By G. D. Butler. (B.)

In Bot. Gazette iii., 1878, Logansport, Ind.

CATALOGUES OF TRANSCONTINENTAL EXPEDITIONS.

Descriptions of new Species and Genera of Plants in the Natural Order Compositæ, collected in a tour across the Continent to the Pacific, a Residence in Oregon, and a visit to the Sandwich Islands and Upper California during the years 1834 and 1835. By Thomas Nuttall. (D.)

In Trans. Amer. Philos. Soc. vii. (new series) 282.

List of Plants collected on a Military Reconnoissance from Fort Leavenworth, Mo., to San Diego, Cal. By John Torrey, M. D. (C.)

- In Emory's Report of Reconnaissance, p. 136. Washington, 1848.
 Botany of the United States and Mexican Boundary Survey. By
 John Torrey, the Cactaceæ by Geo. Engelmann. (C.)
 Rep. U. S. and Mex. Bound. Survey, Vol. ii. Washington, 1859.
 Botany of the United States Exploration of the Fortieth Parallel.
 (King's Reports.) By Sereno Watson, D. C. Eaton and others.
 (C.)
 In Rep. of Exploration, Vol. v., 4to. Washington, 1871.
 List of Plants collected by the North Pacific R. R. Expedition of
 1873 under Gen. D. S. Stanley. By J. A. Allen. (B.)
 In Proc. Bost. Soc. Nat. Hist. xvii., 1875.
 THE UPPER MISSOURI REGION.
 Catalogue of Plants collected in Long's Second Expedition. By L.
 D. DeSchweintz.
 In Keating's Rep. of Expedition. Washington, 1825.
 The Sylva of Montana. By J. G. Cooper, M.D.
 In Amer. Nat., iii., 405. (A.)
 Catalogue of Plants collected during the Expedition of F. V. Hay-
 den to the Headwaters of the Yellowstone River in the Summer
 of 1871, with a small number gathered by Dr. George Smith in
 August, 1871, on Gray's Peak and near Georgetown, Colo. By
 T. C. Porter. (The Mosses by L. Lesquereux and Lichens by
 E. Tuckerman.) (C.)
 In U. S. Geol. and Geog. Surv. Montana and adjacent Terr., p.
 477. Washington, 1871.
 Catalogue of Phænogamous and Vascular Cryptogamous Plants col-
 lected during the summers of 1873 and 1874 in Dakota and
 Montana by Dr. Elliott Coues; with which are incorporated
 those collected in the same region at the same times by Mr. G.
 M. Dawson. By J. W. Chickering. (B.)
 In Bull. U. S. Geol. and Geog. Surv., 1878, Vol. iv., No. 4.
 Washington.
 Botany of the Black Hills of Dakota. By Asa Gray. (C.)
 In Rep. on Geol. and Resources of the Black Hills by Henry
 Newton and W. P. Jenney. Washington, 1880, p. 531.
 THE ROCKY MOUNTAIN REGION.
 Catalogue of Plants collected during a journey to and from the
 Rocky Mountains during the summer of 1820. By E. P. James.
 (B.)
 In Trans. Amer. Phil. Soc., Phila., Vol. ii., (new series) 1825.
 (Includes many species from the plains, and east of the Mississippi.)
 Some account of a Collection of Plants made during a journey to and
 from the Rocky Mountains in the summer of 1820, by Edwin P.
 James, M.D. By John Torrey. (C.)
 In Ann. Lyc. Nat. Hist., ii., 161, 1828.
 Catalogue of a Collection of Plants made chiefly in the valleys of the
 Rocky Mts. or Northern Andes toward the sources of the
 Columbia River by Nathaniel B. Wyeth. By T. Nuttall. (C.)
 In Journ. Phila. Acad. Sci., vii., 1834.
 Catalogue of Plants collected in Wyoming and Colorado by Dr. F. V.
 Hayden and Mr. B. H. Smith, 1868, 1869, 1870. By T. C.
 Porter. (C.)

- In U. S. Geol. Sur. Wyoming and contiguous Territory, 1870, p. 472. Washington, 1872.
- A List of Plants collected by C. Thomas in Eastern Colorado and N. E. New Mexico during the Survey of 1866. By C. C. Parry, M.D. (A.)
- In U. S. Geol. Surv. Wyoming and contiguous Territory, 1870, p. 484. Washington, 1872.
- Enumeration of the Species of Plants collected by Dr. C. C. Parry and Messrs. E. Hall and J. P. Harbour, during the summer and autumn of 1862 on and near the Rocky Mts. in Colorado Terr., latitude 39° to 41°. By Asa Gray. (C.)
- In Proc. Acad. Nat. Sci. Phila., 1863, p. 55.
- Synopsis of the Flora of Colorado. By T. C. Porter and J. M. Coulter. (C.)
- U. S. Geol. and Geog. Surv. Terr., Misc. Public., No. 4, 8vo. pamphlet. Washington, 1874.
- The Flora of Southwestern Colorado. By T. S. Brandegee. (B.)
- In Bull. U. S. Geol. and Geog. Surv. Terr., Vol. ii., No. 3, p. 227. Washington.
- List of Colorado Musci and Hepaticæ, collected by T. L. Brandegee in 1873-75. By E. A. Rau with the assistance of C. F. Austin and T. P. James. (A.)
- In Bull. Torr. Bot. Club., vi., 89, May, 1876.
- Colorado Plants. By I. C. Martindale. (B.)
- In Amer. Nat. xiii., 675. November, 1879.
- Grasses of the Plains and Eastern Slope of the Rocky Mountains. (B.) Author not given.
- In Dept. Agric. Rept., Washington, 1870, p. 217.
- A catalogue of Plants collected in 1872 in portions of Montana, Idaho, Wyoming and Utah. By J. M. Coulter. (C.)
- In 6th Ann. Rep. U. S. Geol. Surv. Terr. (Hayden) p. 747. Washington, 1873.

THE GREAT BASIN REGION.

- Catalogue and Description of Plants collected on Stansbury's Expedition to the Great Salt Lake. By John Torrey, M.D., (D.)
- In Expl. and Surv. Valley of the Great Salt Lake of Utah by Howard Stansbury, p. 383. Philadelphia, 1852.
- Catalogue of Plants collected on an Expedition down the Zuni and Colorado Rivers by Capt. L. Sitgreaves. By John Torrey, M.D. (C.)
- In Report of Expedition, p. 155. Washington, 1854.

W. R. G.
N. L. B.

Spiked form of *Cypripedium insigne*.—This orchid from Nepal, common in cultivation, has usually but a solitary flower on a single scape as in our *C. acaule*. A correspondent sends me one with two flowers. It is evident that the flower is solitary only because of the suppression of the terminal bud in an inflorescence intended to be spicate. Here that bud has overcome retardation and another internode with a flower has been formed. At this second node another